

# ***KC DX NEWS***

**AB0X-EDITOR**

**KCDXC Website: <http://www.kcdxclub.com/>**

**Feb. 2019**

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## **NEXT KCDXC MEETING: Feb. 25th**

The February meeting will be held on Monday, February 25, at 6:00 p.m. - Central Resource Library, 9875 W 87th St, Overland Park, KS 66212. Drew, K3PA, will show us how he solved his power line interference problem, working closely with the utility company. The resulting repairs were amazing. Be sure to see this!

The program will be followed by the famous Pie Eating Contest after the KCDXC meeting.

## **CROWNE PLAZA ROOMS FOR DAYTON 2019!!**

The KCDXC only has a few rooms left for Dayton 2019. The cost for rooms for 2019 will remain the same as in the past at \$149 for a standard block of three nights over Hamvention weekend starting on Thursday, May 16, with check out on Sunday morning, May 19. Double rooms are available for club members with roommates or singles for one bed rooms. Contact at [rickp098@gmail.com](mailto:rickp098@gmail.com) , to make your room reservation for Hamvention 2019. Contact [ab0x@kc.rr.com](mailto:ab0x@kc.rr.com) if you have any questions. As in the past we must prepay the first night's stay prior to the end of March 2019. Checks will be collected in March. Watch for an update!

## **TIME FOR 2019 KCDXC DUES!**

Members can pay their 2019 KCDXC dues,\$20, on our web page(<http://www.kcdxclub.com/>) with Paypal. Members can bring cash or check to the Feb. 25<sup>th</sup> meeting! Dues may also be mailed to AB0X at 7871 Webster Ave., Kansas City, KS, 66109. Remember, to participate in W0AR DX Contest and the N0SS Contest Award program, you must be a paid up KCDXC member.

## KCDXC DXCC HONOR ROLL

Call	Mixed	CW	Phone	RTTY	IOTA	160	6 M DXCC	DX Challenge
K0CS	357	320	352			233	85	2377
AB0X	357	353	349	230		221	23	2280
W0JLC	353	351	331			102		
N0RB	352	346	350				23	1806
K0CA	350	349	348	324		103		2624
NX0I	350	349	347	244	276	208	4	2502
N0CWR	349	348	349	312	860	179	35	2816
K0HQW	349	347	333			33		1352
K3PA	349	347	344	314		152	36	2673
KS0DX	347	318	347	129	360			2218
K4SV	346	340	344	337		301	87	2852
AC0A	348	318	348		838		15	2223
K0VXU	347	334	330	255	172	138	2	2267
K0GY	344	340	344	290			5	2312
KB0X	336							
W0QQ	333	215	331	135	151	21		1426
K0THN	329	314	284		179	1		1849
KE5BR	330	177	297	79				742
WA0WOF	330							
K4SX	326	269	314	146		52		1617
W0FS	322	270	295		657	181		1770
W0MB	322	194	320	230	143	1		1163
K0AP	316	307	297	230	657			1968
AA0MZ	312	290	292	220	532	44	20	1852
K0XM	308	261	266	42		30	1	1164
AC0C	302	292	233	220	79	87	2	1822
KG0UA	283	277	116			4		
NS0D	263	219	142	130		3	2	833
W0XE	247	215	193	14				887
W0DR	220	29	154	3		5	7	
N9GB	203							
KS0AA	172	75	84	154		3		507
KY0F	140	2	140				1	
AA0LV	112							
WD0SRI	102	6	55			1	1	102
KR0CK	57	2	53			1	1	57

\*Red listing indicates Top of the Honor Roll in that respective class. Totals are with deletions.

NOTE: When changes of DXCC totals are sent in to me, they are immediately updated in the next month here in the newsletter. Please only one update a month.

January 28, 2019

## Kansas City DX Club Meeting Minutes

Carmack Community Room, Central Resource Library

Overland Park, KS



No meeting was held in November, 2018 due to weather.

The December, 2018 meeting consisted of a dinner party at RC's Restaurant in Martin City, Kansas on December 15, 2018.

The January 28, 2019 meeting of the Kansas City DX Club was called to order by President Russ Woirhaye, K0VXU at 6:00 pm CST (January 29, 2019 0000 UTC).

### Agenda -

- Greeting and Introduction of Guests
- DXing and Contesting
- Business
- Feature Presentation by Jeff Blaine, AC0C
- Closing

### Introductions -

We introduced ourselves. No guests were announced.

### DXing and Contesting

#### DXing for February

Based on NG3K website: <http://www.ng3k.com/Misc/adxo.html>

Highlights were P29VC Papua New Guinea, XV9 Vietnam, V845AA, 9U4RI Burundi would be a good catch

#### Contesting for November

Based on WA7BNM website: <http://www.hornucopia.com/contestcal/>

Highlights reported were several state QSO parties, CQWW RTTY WPX, ARRL DX CW, CQ 160 SSB, and North American QSO Party.

### Business

1. Dues are due - \$20 - deliver your payment to Mike Crabtree AB0X.
2. W0AR preliminary standings were reported and will be officially reported next month.

3. NØSS preliminary standings were reported and will be officially reported next month. A rules change for this year is being considered. It is felt that the way multipliers are counted is unfair to NØSS participants because of the way some organizations count them. The calculation method may be changed or the use of multipliers may be eliminated altogether.
4. Dayton Hamvention. Several meeting attendees indicated that they intend to attend the Hamvention. Contact Rick Parent WØZAP if you would like a room at the Crowne Plaza Hotel. Bill, KØVBU, mentioned that this will be the 40<sup>th</sup> consecutive year that the KCDX Club has conducted the CW pileup contest event. A plaque is being prepared having the names of past winners as best as can be determined. Bill was asked by Russ to get the contest prizes lined up.
5. Looking ahead at the calendar we will have the May meeting in early June and the June meeting in late June.
6. Lee Ward, KØLW, suggested that the club move its reflector to groups.io. This suggestion was accepted and has already been done by Lee and Rick Parent as this is being written.

Program: Jeff Blaine, ACØC

Jeff titled his presentation as Antenna Pictures and Other Stuff. Much of the information he presented this night can be found on his great website at ACØC.com.

Jeff began by thanking the many men who helped him build his antenna farm.

After receiving substantial wind damage in March of 2017, he rebuilt his system to be more robust in high wind.

He showed the site overview and then the antennas band by band, explaining the safety, cost, strength and reliability, and rf performance factors he considered in building these. He has four towers - for 160 meters, 40 meters, 20 meters, and house. These towers have other bands as well as some stacked antennas on them. There are several ground level antennas in the area as well.

He showed the extensive grounding and bonding he has done to protect the radios and the house.

There is an extensive command and control system to do the antenna switching and rotation.

Again, please go to his website to admire his work.

#### Announcements

Drew, K3PA, is scheduled to talk at the February 25th meeting.

The subject will be locating and eliminating power line noise. This presentation has been held over from last year.

March and April meetings will be probably done by Lee and Jeff again. Order of presentation is to be determined.

Rob, KE5BR, stated that if you want Jeff to cover any of his many topics in greater detail to send your interest to Rob and he will pass the collection to Jeff.

If you need a ride or you know of someone who needs a ride to our meetings let Russ know. We would like to make sure everyone who wishes to attend can do so.

The meeting was adjourned at 7:50pm.

Charles Hett K0THN KCDX Club Secretary

## W0AR AND N0SS CONTEST WINNERS FOR 2018

BY N0AG

### W0AR

#### HIGH/UNLIMITED

K0VXU (RUSS)\_\_\_\_\_10,300

K3PA (DREW)\_\_\_\_\_ 10,200

AC0C (JEFF)\_\_\_\_\_ 8640

N0RB (RICK)\_\_\_\_\_ 5076

W0MB (MIKE)\_\_\_\_\_ 6950

K0TRL (BRAD)\_\_\_\_\_8112 *\*ROOKIE\**

#### LOW POWER

K0BRO (RON)\_\_\_\_\_8480

AB0X (MIKE)\_\_\_\_\_5985

K0THN (CHARLIE)-4752

#### WIRES

K0THN (CHARLIE)-4752

QRP

ABØX (MIKE)\_\_\_\_\_3936

NØSS

KØVBU (BILL)\_\_\_\_\_155,032,514

KØVXU (RUSS)\_\_\_\_\_22,646,115

WØMB (MIKE)\_\_\_\_\_13,510,800

NXØI (JERRY)\_\_\_\_\_3,643,168

KCØDEB (JOHN)\_\_\_\_28,224

KØAP (DRAGAN)\_\_\_\_2,099,790

ACØC (JEFF)\_\_\_\_\_46,498,356

K3PA (DREW)\_\_\_\_\_22,646,115

NWØM (MITCH)\_\_\_\_36,079,620

KIØI (MARK)\_\_\_\_\_8,704,080

NØYL (STEPHANIE)\_2,064

WØSO (GARY)\_\_\_\_\_18,924

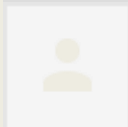
KØTRL (BRAD)\_\_\_\_\_4,346,642 *\*ROOKIE\**



Inbox

X

Thu, Jan 24, 11:40



espaul@everestkc.net

to me

Good Grief Charlie Brown. I get so tired of people who don't understand the Theory of Special Relativity.

### Time Dilation

As an example of time dilation, let's imagine you left on a space flight today. On that space flight you flew around outer space at near the speed of light for around three years according to your clock. However, the clock on Earth was moving much faster. In fact, more than sixty years would have passed on Earth. You would only be a few years older, but everyone here would much older.

Example One:

When you drive to Dayton as fast as you can, only nine hours will have passed inside the truck, but outside it is ten hours later, you always have to set your watch up an hour when you arrive in Dayton.

### Length Contraction

Another interesting result of special relativity is length contraction. Length contraction is when objects appear shorter the faster they are moving in relation to the observer.

Example two:

If you drive very fast the truck bed gets shorter. Therefore you have to drive back from Dayton much slower, otherwise everything you bought at Dayton will not fit in the back of the truck. So much slower in fact that even through nine hours will have passed inside the vehicle, the rest of the world is passing you by and only eight hours will have passed in the outside world. (See Time Dilation above) You may even have to set your watch back an hour when you arrive in Kansas City.

You are welcome.

Eddy Paul, KYØF

<[espaul@everestkc.net](mailto:espaul@everestkc.net)>

With apologies to Jeff Foxworthy, here are the latest examples of Redneck DXers. Surely several KCDXC members qualify. Make sure you say :

**“You just might be a redneck DXer IF”** before each statement below:

...your contest shack is built inside an old school bus parked next to your home.

...your DX Club is sponsoring a new Triple Play DX Award. Winners must: 1)Shoot a deer out the shack window 2)Work a DX station 3) Drink 3 beers, all in a 30 minute window.

...“Going on a DXpedition” means a road trip to visit family in Arkansas.

...your bass boat has more antennas than fishing rods on it.

...Going to the city means going to Clinton, MO.

...your DX Club President prefers to be called “Boss Hogg.”

...your DX club is seriously considering adding a Noodling competition to the annual Carp Tournament.

...you have 3 ham rigs stacked on top of each other and only the top one works.

...you compared going to the Dayton Hamvention as a trip to Mecca.

... your DX club has a “Club Overalls” instead of matching shirts.

...every Field Day your DX Club has a visit from the Sheriff’s Dept. for a noise complaint.

... at every radio club election of officers someone nominates “Al Coholic” for President.

... your pick-up has a minimum of 11 mobile antennas mounted on the cab roof.

... you ever drank a Tall Boy at the top of your tower!

... you take a weapon with you to check on your antennas behind the trailer(house).

... the term “Multi Op” always reminds you of a old girlfriend in high school.

...you end QSOs by saying “Well, awriteden.”

...you thought Moldova was a female body part.

... you claim to have seen a Sasquatch climbing your tower one night(Beer may be involved).

...your DX Club Motto is “Ya’ll Watch this!”

... you have phased beer can verticals behind the house (trailer).



...your will stipulates that your tombstone will have a wide spaced Yagi and a Tall Boy carved on it.

...your favorite TV show is Country Family Reunion from the RFD channel.

... you think Troy(Choot ‘em!) Laundry should run for President.

...your radio club has a special CW enthusiast group called the “QLFers.”

... your radio club has an informal contest award for the member who has the most beer cans in their truck bed(AA0MZ won last month with 357).

...K0LW is your nearest neighbor.

...the International Association of Redneck DXers Club meets every summer at the Go Kart Track in Branson, MO.

...your mobile mount starts and ends with duct tape.

...your DX club has petitioned (again) the ARRL to make the Ozarks a separate counter for DXCC, based on same cultural background and language.

...your radio club runs a fireworks stand every Summer to raise money for donations to DXpeditions.

... the term “Double Wide” can refer to your home or your first wife.

...instead of going to Perkins for pie after a radio club meeting, your group goes to the Chip Kickers Bar & Grill in Bonner Springs, KS, on K-32.

## DX NEWS & VIEWS

BY AB0X

Editorial: FT8 & DX

The picture on the right has been circulating around the DX world recently. It is supposed to symbolize how dull working FT8 is. I have to agree. It is like staring at a wall. A local KCDXC member Once said the whole “WSJTX mode was like watching paint dry.”



Now don't get me wrong, I am not opposed to new modes, especially digital ones. Also, I am not one of those guys who can't make it work at my station, so I am against it. I have it working well on 3 rigs and use it when, it is the only way I can get a contact

with a certain needed DX station. Having started the digital DXCC chase rather late in my DX life, FT8 seems like the only way I am going to get a digital QSO in some rare ones still needed. RTTY by DXpeditious seems to be a thing of the past. So, in many cases FT8 is the only way to get a digital contact. However, when FT8 is combined with DX, the fun seems to disappear. Even with old fashioned DX RTTY, it followed the same principles as any DX pile up procedure: Split up, crank up the amp, find a clear spot and call your guts out!

A KCDXC member jokingly said to me that he worked a guy on FT8, then got up to get some more coffee. When he returned to the rig, he had worked two more guys. Of course, he was joking, but not by much. FT8 requires little effort or expertise on either end.

In a recent blog, VK6VZ coined a term I really like when referring to the FT8 mode: "No skill, no thrill!"

This sums it up very well for me, and I know several others in the KCDXC feel the same. If it doesn't require some good operating skill, or even antenna building skills, there's not much excitement after completing a FT8 QSO. There's kind of a hollow feeling when done. What is accomplished? Two computers talked to each other. It doesn't take much power, nor antenna. It is mostly just persistence and button clicking.

Now I know there are going to be people who will say my opinion is just another example of "angry old man syndrome," where I can't change or learn new ways of doing things. However, I don't really think this is the case for me.

Over the years that I have been an active DXer, I know I made certain DX contacts purely on my CW skills, fast reactions, knowledge, savy techniques and good antennas. I am not unique. These characteristics are common traits for most DXers. With FT8 I am not sure these skills really matter nearly as much!

So, yes, I will operate some FT8, but only because I have to, not because, I find it a challenge or interesting. -AB0X

If you would like to share your thoughts on this topic, send me an email with your thoughts about the topic and I will publish it. We are always open to different viewpoints, but no cliches like "Just can't teach an old dog new tricks." Provide some serious thoughts and observations.

Now for the DX News:

XX9D is on the Air! Several KCDXC members have been chasing this one to fill some tough slots in their DX Challenge Award. High bands have been OK, but numerous people all over the world report XX9D has serious listening problems, especially on 40-160M. Take a look at the location in the pic below and you will understand why. They are in a large hotel but have their antennas up and in the open pretty well. Listening does seem to be an issue.

XX9D MACAO DXPEDITION NEWS. The XX9D team is once again active from Grand Coloane Resort, Macao (AS-075), until February 26th. Activity will be on 160-10 meters using CW, SSB, RTTY and FT8. QSL via DL4SVA, LoTW or ClubLog's OQRS. For more details and updates, see: <http://xx9d.mydx.de>

The following Press Release was posted on February 13th [edited]: XX9D is QRV! -- This DXpedition was possible by the great help of the management and staff of Grand Coloane Resort, the CTT authorities and Bom, XX9LT.

All team members including the baggage arrived well in Macau at Sunday-afternoon, February 10th. The team has fixed the complete station setup and all antennas within 24 hours. The successful inspection of CTT was on February 11th. So we were able to be on the air around 10 UTC the same day. After 48 hours of operation we have around 6500 QSOs in the log. So, this is a good starting point. A first log update to club log was made today. Still a few FT8-QSOs from F/H-mode are missing in the log. Sorry about the confusion with the pile-ups of V84SAA sometimes.

Remember it is difficult to find a good place for ham radio in Macau. We had to follow the restrictions of the hotel and the nearby golf-rang. That means limited space for antennas. All antennas were installed above the 8th store of the hotel-building. We are able to use only 30m length of the railing there. (see picture on our homepage)

For 160 and 80 m we are using wire verticals on 18 m high Spiderbeam poles with elevated radials. On 40 m we have a vertical as well, on 30m we are using a delta-loop. Unfortunately there are no receiving antennas possible. Noise level is high on all low bands. Our new wire beam from LZ-Antennas works fine on all five higher bands 20 10 m.

We have made a detailed propagation tool for the difficult parts of the world via SP and LP from here. On FT8 we are also using the F/H-mode. Please check our new actual frequencies. (7070, 14079, 18105, 21079, 24920 ...)

In CW we recommend for outside US stations 1-3 kHz up and for US stations 2-3 kHz up splitting. Please don't call only 1 up. North America has by the way our highest priority. On 160m the highest allowed transmit -frequency for us is 1825 kHz.

Macau has an interesting Portuguese history and also the status as an world culture heritage. As You know we have 6 wives of operators with us. They take the opportunity to visit the places of interest of this tourist crowded city. Next days they plan to visit HongKong and probably China mainland.

XX9D  
QTH



## K4SV HITS 300 MARK ON 160 METERS!

The NCDXCC Reflector system was busy this week with chatter reporting the news that K4SV, Dave, achieved a super goal of reaching 300 DXCC counters on 160 Meters. K4SV, a KCDXC member, has a superstation that he has built carefully and it is showing the results with outstanding performance that far exceeds the average DXer.

K4SV is only the 33<sup>rd</sup> active ham to reach 300 countries on 160 Meters. Dave is the second KCDXC member to achieve this goal. (N0XA, reached the 300 mark a few years ago, before becoming a SK.) K4SV is young enough he might be able to reach the Honor Roll on 160 Meters!

Maybe your Editor can encourage K4SV to send some pictures of his 160 Meter antennas to share with the KCDXC.

**Congratulations, Dave!**



### DX ACTIVITY:

VIETNAM (Reminder). Jean-Pierre, F6CTF, will be active as 3W9JF from two different locations in Vietnam between February 19th and April 6th. His schedule is as follows:

February 19th-March 6th -- From Phu Quoc Island (AS-128)

March 16th-April 6th -- From Hoi An

Activity will be on 80/40/20/17 meters using CW and SSB. QSL via EA5GL or eQSL.

3Y0I BOUVET DXPEDITION NEWS. Again nothing has been posted on any of the 3Y0I media Web pages during the past three weeks. Last post was on January 25th. It has been very quiet.

The DX community continues to be anxious for this DXpedition to take place. Nothing else to report this week and no other details. Departure dates are still not known. It is still a mystery... If things change, we will send out a special bulletin. Remember, it takes 12 days to get to Bouvet from South Africa, and they plan to stay on the island for at least 2 weeks if the weather cooperates. The 3Y0I DXpedition's band plan frequencies (160-6m) and modes (CW/SSB/FT8) can be found at:

<https://www.rebelDXgroup.com> , <https://bouvetoya.org/3yoi-bandplan>

QSL via ClubLog's OQRS (preferred), LoTW or via 3Z9DX.

9U, BURUNDI (Reminder/Update). Shabu, M0KRI, is now in Burundi and is expected to be on the air as 9U4RI until February 25th. He will be in Bujumbura City until February 18th and spend the remaining 7 days away from the civilization in the Heha Mountains. Activity will be on 40-10 meters, including the WARC-79 bands, using CW, SSB, and PSK31. His equipment consists of an ICOM 706Mk2G & a Kenwood TS480SAT into Spiderbeam. QSL via M0KRI, direct, LoTW and ClubLog.

9U, BURUNDI. Shabu, M0KRI, will be active as 9U4RI from Burundi between February 15-25th, 2019. Activity will be on 40/30/20/17/15/10 meters using CW, SSB and PSK31. Shabu states, "Look out mostly around 14.222 kHz for voice and very lower end of 40m and 20m for CW. I will be more active on CW than on voice." QSL via M0KRI direct.

C5, THE GAMBIA (Update). Don, G3XTT, will be in The Gambia from March 5-12th. He will mainly operate in the RSGB Commonwealth Contest over the weekend of March 9-10th. The callsign will be C56DF, and Don hopes to do some operating before and after the contest. This will be a CW only operation, low power (IC-7300 and wires) from a rooftop apartment. It is unlikely there will be space for 80 or 160m antennas, but Don hopes to use the trip to recce possible opportunities for a larger operation later in the year or early next year. He will, of course, upload logs to LoTW and ClubLog, but possibly only after his return to the UK. QSL direct to Don's home callsign or via ClubLog's OQRS.

C6, BAHAMAS. Operators Tom/N1GN and William/NE1B will be active as C6ANM from Nassau (NA-001, FL15) during the ARRL International DX CW Contest (February 16-17th) as a Multi-Single entry. QSL via LoTW.

CR3/CT9, MADEIRA ISLANDS. Operators Ulrich/DJ2YA, Tom/DL5LYM, Hans/DL5WS and Frank/DL8WAA will be active as CR3W from Santana, Madeira Island (AF-014) during the ARRL International DX CW Contest (February 16-17th) as a Multi-Single entry. QSL CR3W via DL5AXX, OQRS (see QRZ.com) or LoTW. Look for operators to be active outside of the contest as CT9/homecall on 160-10 meters using CW, SSB and RTTY. QSL via their home callsigns.

D4, CAPE VERDE. Operators Helmut/DF7EE, Andrea/HB9DUR, Marco/IK2LFF, Kris/YL3JA and Ljubomir/YU5EEA will be active as D4C from Cape Verde Island during the CQWW WPX SSB Contest (March 30-31st) as Multi-Op entry. Operators HB9DUR and YU5EEA are YOTA members. QSL info: <http://d4c.cc/qs1>

DU, PHILIPPINES. Press, N6SS, will be active as DU6/N6SS during the CQWW WPX SSB Contest (March 30-31st) as a Single-Op/Single-Band (80m) entry. QSL via his home callsign.

E5, SOUTH COOK ISLANDS (Update). Hans-Martin, DK2HM, will be active as E51HMK from Rarotonga Island (OC-013) [on the north-west side of the island], South Cook Islands between March 14-22nd. Activity will be holiday style on 80-10 meters using mainly SSB, but also Digital modes (FT8). Equipment will be an Icom IC-706MK2G with a HLA300+PA into a Windom Dipole (80-10m) and an EFHW 80-10 longwire by "MyAntennas". QSL via his home callsign, direct, by the Bureau, LoTW, ClubLog's OQRS or eQSL. For more details and updates, see: <http://southcook2019.com> Also watch Twitter at: <https://twitter.com/@e51hmk>

E5, NORTH AND SOUTH COOK ISLANDS. Operators Dagmar/DM7PQ, and Rainer/DL1AUZ will be active as E51NPQ and E51AUZ, respectively, during March and April. Activity will be from the following scheduled islands:

March 9-11th -- Rarotonga Island (OC-013), South Cook Islands

March 13-25th -- Manihiki Island (OC-014), North Cook Islands

March 27-31st -- Aitutaki Island (OC-083), South Cook Islands

April 2-11th -- Rarotonga Island (OC-013), South Cook Islands

Activity will be holiday style on various HF bands. QSL via their home callsigns. Watch QRZ.com for possible updates.



FK, NEW CALEDONIA (Reminder). Arnaud, JG1XMV, will once again be active as FK/JG1XMV from New Caledonia between February 23rd and March 10th. He will have his friend Yves, FK4RD, again with him. His activity will be from Grand Terre Island (OC-032), but may also visit Lifou (OC-033) and Mare (OC-033) islands during his stay. Operations will be on 40/20/17/15 meters SSB. QSL via home call direct, LoTW and eQSL.

FR, REUNION ISLAND. As this was being written, Vlad, UA4WHX, was active as FR/UA4WHX from Reunion Island (AF-016). He says his QTH is a remote site (1500m ASL) in the Belouve National Park (Gite de Belouve). As always, the length of his stay is unknown. Look for activity to be on 40/30/20/17 meters using mostly CW with some SSB. QSL via UA4WHX.

FY, FRENCH GUIANA. Operators Didier/FY5FY, Herve/F5HRY and Laurent/F6FVY will be active as FY5KE from French Guiana during the ARRL International DX CW Contest (February 16-17th) as a Multi-Single/Low-Power entry. QSL via LoTW or direct via FY1FL.

HB0, LIECHTENSTEIN. Two members of the AFVL (Amateurfunk Verein Liechtenstein) will be active as HB0A from a mountain location 1500m ASL (which is covered with more than one meter of snow) in Liechtenstein during the ARRL International DX CW Contest (February 16-17th) as a Multi-Single/ High-Power entry. Operators mentioned are Rens/PA3FGA and Aurelio/PC5A. QSL via LoTW.

T2, TUVALU (Update). Antoine, 3D2AG, will be active as T2AR from Funafuti Island (OC-015) between February 22-27th. Activity will be focused on the low bands (including 160m). QSL via 3D2AG (PayPal). Only paper logs will be used. NO LoTW or eQSL please. Digimode QSOs will be uploaded to QRZ.com after the expedition. Watch QRZ.com for updates. ADDED NOTE: Antoine states, "We have setup Tili, T2AT, to be active on FT8 mode, so please look out for his call on the bands!"

T31EU KANTON ISLAND DXPEDITION NEWS. Just a reminder that the T31EU team from Kanton Island (OC-043) will be active between February 16th and March 5th. Activity will be on 160-10 meters using CW, SSB and some FT8. QSL via DL2AWG or ClubLog's QQRS. For more details and updates, see: <http://www.kanton2019.de>

TC10, TURKEY (Special Event). Members of the Giresun Amateur Radio Society (GITRAD - Giresun Telsiz Radyo Amatorleri ve Doga Sporlari Dernegi) are celebrating its 10th anniversary with the special callsign TC10GITRAD. It will be on the air until December 31st, 2019. The log will be uploaded to eQSL and LoTW regularly. For any mis-copied callsigns, please send an E-mail to TA7AZC (QRZ.com recorded). No cards are required at this end and if you need a hardcopy QSL card, please send it direct to TA7AZC (w/SASE+3GS).

**THANKS, OHIO/PENN DX BULLETIN!**

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**K3ZN KEYS**

